

Dust Fyghter® LN100

Lignin Dust Suppressant



Use Renewable Resources to Keep Unpaved Roads Stable and Dust-Free

Unpaved roads are natural breeding grounds for unstable surfaces and unwanted dust. At quarries, mines and other areas where paving is not the curative method of choice, Midwest's Dust Fyghter LN100 delivers the needed stability and dust inhibition cost-effectively without harming the environment.

Formulated from lignin, a naturally occurring polymer found in wood, Dust Fyghter LN100 creates hard-packed dust-free roads by binding road surface particles together so that dust cannot escape into the air. Once applied, Dust Fyghter LN100 is rejuvenated in place when the roadway is graded, watered, or when a subsequent application is made.

Vital statistics

- Creates a skid-resistant surface
- Improves visibility on dirt roads
- Stabilizes surfaces against potholes and wash boarding
- A low-cost alternative to salt-based calcium chloride and magnesium chloride products
- Applies easily via a spray system after being mixed with water
- Is derived from abundant and renewable resources
- Biodegradable and non-corrosive
- Freeze-thaw stable

Dust Fyghter LN 100 eliminates dust clouds that impede visibility and can harm vehicle engines.



Enhance road performance

The firmer, more stable, dust-free road surface resulting from treatment with Dust Fyghter LN 100 reduces the need for frequent road repair. The surface toughness resists the tendency of dirt and gravel roads to form wash board ribbing and, therefore, requires less frequent or no ongoing grading.

The safety factor

Dust Fyghter-treated unpaved roads are safer than untreated roads, on which visibility-impeding dust clouds are inevitability. Applied properly Dust Fyghter LN100 is non-toxic and will cause no harm to surrounding foliage and surface water.

About lignins and lignosulfonates

Commercial lignins are complex naturally-occurring polymers produced as co-products of sulfite pulping in the paper industry. In wood, they perform as a glue that holds the cellulose fibers of pulp together. When separated from wood and processed for use on unpaved roads, they bind dust particles to the aggregate on roads the same way they bind the cellulose fibers in wood pulp.

If your specific manufacturing or mining processes are not compatible with the chemical properties of Dust Fyghter LN 100, Midwest offers other Dust Fyghter lignin and chloride alternatives.

Easy to be green

With chemists in our lab and experts on our customers' work sites, Midwest has the home-grown ability to manufacture products that will not harm the environment and in many instances will help it. Our chemists think green from source materials to formulation and from production to application.

Apply using your own water trucks or Midwest's E-Sprayer™ System

Dust Fyghter LN100 is easy to apply with any system you currently use to spray water alone or water with other chemicals like chlorides. Or, you can use portable E-Sprayer which can be mounted on any light-duty truck from an F-150 flatbed one-ton trailer to a military Humvee.

If the shoe doesn't fit . . .

One size fits all does not always make for a good fit; unique problems require unique solutions. Midwest is a particle-control pioneer, not a me-too company. Our product development begins with a challenge and ends when we produce a solution that proves its worth in the field. Off-the-shelf is fine when it works, but when it does not, Midwest has the capability and tenacity to customize a formula for your specific needs.

More reasons to choose Midwest

Midwest is the world leader in environmentally sound, dust-control technology for every application where fugitive dust is a problem. We bring our customers more solutions, documentation and support than any other manufacturer. On a daily basis, we challenge ourselves to become even more accessible problem-solvers so we can set a new industry standard for proactive and responsive service. Pushing the envelope is part of our corporate DNA, and we strive, always, to develop cutting-edge processes, products and services; stay on top of the learning curve, and educate our customers for our mutual success.

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